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Improved prepolymer compsn. for polyurethane soln. with good transparency and stability - obtd. by distilling prepolymer under vacuum to remove free diphenylmethane diisocyanate

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Patent Family:

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JP 8176252	A	19960709	JP 94322802	A	19941226	199637 B

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Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
JP 8176252	A		5 C08G-018/10	

Abstract (Basic): JP 8176252 A

An improved prepolymer compsn. is prepd. by distilling (A) a prepolymer under vacuum to remove free diphenylmethane diisocyanate (MDI) so that the content of the MDI is 1 wt% or less and the Mw/Mn is 5.0 or less. (A) is prepd. by reacting 4,4'-MDI contg. 0.3 wt% or more of 2,4'-MDI or 2,2'-MDI with a straight chain mol which has two or more of active hydrogen, Mw/Mn of 3.0 or less, and a mol. wt. of 250-4000 in an equiv. ratio of the isocyanate gp./the active hydrogen gp of 2.5-10.0.

USE - The compsn is useful for polyurethane soln. for spinning raw solns., films, mouldings, coating solns., impregnating soln., adhesive solns., etc..

ADVANTAGE - The content of free MDI is decreased in prepolymer compsn and the prodn. of oligomer is decreased. The polyurethane soln. prepd. with the compsn. has good transparency, stability and working properties.

Dwg. 0/0

Derwent Class: A25; A81; A82; F01; G02; G03

International Patent Class (Main): C08G-018/10

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